BOOK

ns			
adth 5	Depth 6	7	Reference to last Measurement 8
4691 –			
8764 –			
8145 –			
4691 –			
1469 –			
6713 –			
18444 33 =			

First & Final Bill

SBA NO-313/14-15

28-2-15

M. A. R. 57 (Rule 116)
Measurement Book

BR-474/28-2-15

No. B

Serial No. .....

Name of Work Improvements to Roads, Drains and covering Slab at Muneshwara Layout in ward No-10. (Doddabommasandra) From ..... To 251023

Name of Contractor of nature of Agency ..... Sri. Lakshminarayana. M.

Date of commencement of work BR-474/28-2-15

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code NO; 010-15-000026.						
	Agreement NO; 278 Dated 03-02-2015.						
	Work order NO; EE/BBMP/BTP/E-PMT/278/2014-15. Date 03-02-2015.						
	Address of Agency; Sri. Anjinandri NO 354 5th A Cross, Sharadamba nagar Jalahalli Bangalore-13.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 03-02-2015.						
1)	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2meters and an average lift upto 0.5m excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications.						
	a) Main Road RHS	1	30.00	1.00	0.90	= 27.00 cum	
	b) Main Road LHS	1	32.00	1.00	0.90	= 28.80 cum	
	c) Cross Road A RHS	1	30.00	1.00	0.90	= 27.00 cum	
	d) Cross Road A LHS	1	32.00	1.00	0.90	= 28.80 cum	
	e) Cross Road B RHS	1	24.00	1.00	0.90	= 21.60 cum	
	f) Cross Road B LHS	1	24.00	1.00	0.90	= 21.60 cum	
	g) Cross Road C RHS	1	27.00	1.00	0.90	= 24.30 cum	
		1	27.00	1.00	0.90	= 24.30 cum	
		1	30.00	1.00	0.90	= 27.00 cum	

M. A. R. 57
Measure

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Len
1	2	3	
	h) Cross Road D LHS	1	27
		1	28.
		Qty limit @ RS	
2)	Providing and laying in position pl @ 180 kgs with 40mm and down size and fine aggregates @ 0.7 cum mac 15 cms thick, well compacted, in fo		
	a)	1	30

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	Depth 6	Contents 7	Reference to last Measurement 8
IS.			
ard soil involving an average age lift upto 0.5m excavated disposed earth to be leveled per specifications.			
	0.90 = 27.00 cum		
	0.90 = 28.80 cum		
	0.90 = 27.00 cum		
	0.90 = 28.80 cum		
	0.90 = 21.60 cum		
	0.90 = 21.60 cum		
	0.90 = 24.30 cum		
	0.90 = 24.30 cum		
	0.90 = 27.00 cum		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251024

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	~~A~~	L	27.00	1.00	0.90 =	24.30 cum	
	h) Cross Road D LHS	L	28.30	1.00	0.90 =	25.47 cum	
					Total =	280.17 cum	
		Qty limited to tender			=	273.60 cum	
		@ RS 111.00				RS 30370.00	
2)	Providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials						
	a)	L	30.00	1.00	0.15 =	4.50 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	b)	L	32.00	1.00	0.15 =	4.80cum	
		L	30.00	1.00	0.15 =	4.50cum	
	c)	L	32.00	1.00	0.15 =	4.80cum	
	d)	L	24.00	1.00	0.15 =	3.60cum	
	e)	L	24.00	1.00	0.15 =	3.60cum	
	f)	L	27.00	1.00	0.15 =	4.05cum	
	g)	L	27.00	1.00	0.15 =	4.05cum	
		L	30.00	1.00	0.15 =	4.50 cum	
	h)	L	27.00	1.00	0.15 =	4.05cum	
		L	28.30	1.00	0.15 =	4.25cum	
					Total =	46.70cum	
					Tender =	45.60cum	
	qty limited to Tender						
	@ Rs 4847.00					Rs 221023.00	

Asst. Executive Engineer
Vidyaranyapura Division
BBMP, Bangalore-97

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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
3)	Measurement continued on providing and removing centering, work for vertical surface such buttresses, plinth and String co Specifications and directions of	
	a)	4
		4
	b)	4
		4
	c)	4
	d)	4
	e)	4
	f)	4

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		a) 4	30.00		0.60 =	72.00 Sqm	
		4	27.00		0.60 =	64.80 Sqm	
		b) 4	28.30		0.60 =	67.92 Sqm	
					Total =	747.12 Sqm	
		Qty limited to Tender				729.60 Sqm	
		@ KS 292.00				KS 213043.00	
4)	Providing and laying in position reinforced cement concrete of design mix M20 with opc cement @ 320kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum with machine mixed, concrete laid in layers not exceeding 150mm thick vibrated for all works in foundation plinth and ground floor level for roof slabs, Staircase, lintels, retaining walls. complete as per Specifications.						
	Bottom concrete						

Serial N .....
Name of ..... Fron
Name of C ..actor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	a)	1
		1
	b)	1
		1
	c)	1
	d)	1
	e)	1
	f)	1
	g)	1
		1
	h)	1
	Sidewalls	

OK

Depth 6	Contents 7	Reference to last Measurement 8
0.60 =	72.00 Sqm	
0.60 =	64.80 Sqm	
0.60 =	67.92 Sqm	
Total =	747.12 Sqm	
ndem =	729.60 Sqm	
	Rs 213043.00	

ment Concrete of design mix and down size graded granite aggregates @ 0.459 cum with exceeding 150mm thick vibrated nd floor level for roof slabs, efe of Per Specifications.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251026

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	a)	1	30.00	0.90	0.15 =	4.05 cum	
		1	32.00	0.90	0.15 =	4.32 cum	
	b)	1	30.00	0.90	0.15 =	4.05 cum	
		1	32.00	0.90	0.15 =	4.32 cum	
	c)	1	24.00	0.90	0.15 =	3.24 cum	
	d)	1	24.00	0.90	0.15 =	3.24 cum	
	e)	1	27.00	0.90	0.15 =	3.65 cum	
	f)	1	27.00	0.90	0.15 =	3.65 cum	
	g)	1	30.00	0.90	0.15 =	4.05 cum	
		1	27.00	0.90	0.15 =	3.65 cum	
	h)	1	28.30	0.90	0.15 =	3.82 cum	
	Sidewalls						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	a)	2	30.00	0.15	0.55 =	4.85 cum	
		2	32.00	0.15	0.60 =	5.76 cum	
	b)	2	30.00	0.15	0.55 =	4.85 cum	
		2	32.00	0.15	0.65 =	6.24 cum	
	c)	2	24.00	0.15	0.60 =	4.32 cum	
	d)	2	24.00	0.15	0.50 =	3.60 cum	
	e)	2	27.00	0.15	0.65 =	5.27 cum	
	f)	2	27.00	0.15	0.50 =	4.05 cum	
	g)	2	30.00	0.15	0.60 =	5.40 cum	
	h)	2	27.00	0.15	0.55 =	4.48 cum	
		2	28.30	0.15	0.60 =	5.09 cum	
					Total =	96.11 cum	
	Qty limited to Tender =					95.76 Cum	
	@ Rs 6065.00					Rs 580784.00	

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nur
1	2	
5)	providing mild Steel reinfor bending, hooking, placing in tying with binding wire necessary complete as per	
	Qty v	
	25092 of the	
	@	

K

Depth 6	Contents 7	Reference to last Measurement 8
55 =	4.85 cum	
.60 =	5.76 cum	
.55 =	4.85 cum	
.65 =	6.24 cum	
.60 =	4.32 cum	
.50 =	3.60 cum	
.65 =	5.27 cum	
.50 =	4.05 cum	
.60 =	5.40 cum	
.55 =	4.48 cum	
.60 =	5.09 cum	
Total =	96.11 cum	
ner =	95.76 Cum	
	RS 580784.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251027

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	5) providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design complete as per specifications.						
	Qty vide page no 25109 to 25092 of this MB no 251					= 57.46 Qtl	
	@ RS 7975.0						RS 458244.00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide Item no-6 @ Rs 851.00					= 273.60 Cum Rs 232834.00	
	9) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading etc complete as per specifications and directions of engineer. Qty vide Item no-1 @ Rs 73.00					= 259.92 Cum Rs 18974.00	
	10) Add 1% for third party inspection charges					Rs 1976.00	

c&c Shivaraj 28/2

Assistant Executive Engineer, BMP, Bangalore-97

Sanction No. 1979592

M. A.

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Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	C: Rupees Nineteen Lakhs Ninty	
	Certificate: certified that th no materials i/s	
	Zedhav AE 28/2	

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dth	Depth 6	Contents 7	Reference to last Measurement 8
		= 273.60 Sqm	RS 232834.00
		gable at carriage rates by and unloading etc complete e engineer.	
		= 259.92 Qm	RS 18974.00
			RS 19796.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251029

Name of Contractor or nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc. of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
					Total RS		199939.00

(Rupees Ninteen Lakhs Ninty Nine thousand three hundred Ninty one only)

Zadhav
AE 28/2/2015.

Certificate:
certified that the above work done is satisfactory and no materials is issued from department.

Zadhav
AE 28/2/2015.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97